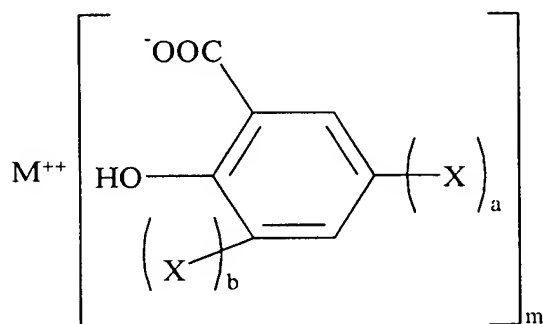


CLAIMS

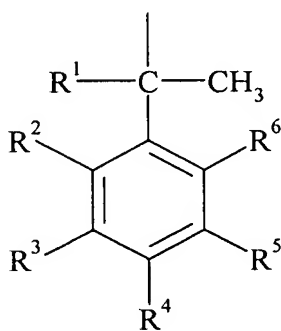
What is claimed is:

1. An engine oil comprising a lubricating oil, and an overbased alkaline earth salicylate detergent of the structure:



wherein:

X is



R^1 is selected from the group consisting of hydrogen, substituted or unsubstituted alkyl, and substituted or unsubstituted aryl;

R^2 , R^3 , R^4 , R^5 , and R^6 are independently selected from the group consisting of hydrogen, X, and innocuous functional groups;

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22 a and b are independently selected integers ≥ 0 and $a + b \geq 8$;

23 m is 2; and

24 M is an alkaline earth metal.

1 2. The engine oil of claim 1 wherein M is selected from the group consisting of calcium
2 and magnesium

1 3. The engine oil of claim 1 wherein R^1 is hydrogen or methyl.

1 4. The engine oil of claim 1 wherein R^1 is substituted or unsubstituted aryl.

1 5. The engine oil of claim 4 wherein R^1 is substituted or unsubstituted phenyl.

1 6. The engine oil of claim 1 wherein X is selected from the group consisting of styrene; 2,
2 3, or 4-methylstyrene; 2 or 4-ethylstyrene; 3 or 4-isopropylstyrene;
3 4-n-butylstyrene; 4-t-butylstyrene, 4-cyclohexylstyrene; 4-octylstyrene;
4 2,4-dimethylstyrene; 2,5-dimethylstyrene; 3- or 4-methoxystyrene, 4-ethoxystyrene;
5 α -methylstyrene; α -ethylstyrene; α -n-butylstyrene; α -isobutylstyrene; 4-phenylstyrene; and
6 4-fluorostyrene.

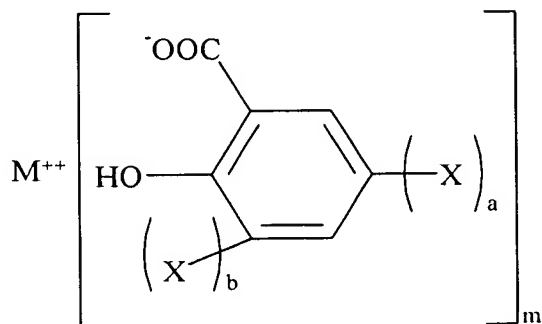
1 7. The engine oil of claim 6 wherein X is styrene.

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8. The engine oil of claim 1 wherein the base number is in the range of from about 60 to about 350 mg KOH/gram.

9. The engine oil of claim 1 wherein $a + b$ is 8 to 40.

10. An engine oil comprising a lubricating oil, and an overbased alkaline earth salicylate detergent of the structure:



wherein:

X is styrene;

a and b are independently selected integers ≥ 0 and $a + b$ is 8 to 40;

m is 2; and

M is an calcium or magnesium.